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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/315,247	05/22/1999	DAVID R. THOMAS	TIF-26270	6271
75	590 09/06/2002			
TEXAS INSTRUMENTS INCORPORATED P O BOX 655474 7839 CHURCHILL WAY M S 3999			EXAMINER	
			BRINICH, STEPHEN M	
DALLAS, TX 75251		ART UNIT	PAPER NUMBER	
			2624	
			DATE MAILED: 09/06/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

4a) ○ Claim(s) 1-16.18-27 and 29 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are allowed.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)							
## Examiner		Application No.	tion No. Applicant(s)				
Sicphen M Brinich  Sicphen M Bri	Office Asticus Commission	09/315,247	THOMAS, DAVID R.				
- The MALING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION.  Estamentor of the many by the winds burde the proteince of 3 °CFR 1.13(s). In no event, however, may a reply be limitly filled  Estamentor of the many by the winds burde the proteince of 3 °CFR 1.13(s). In no event, however, may a reply be limitly filled  Estamentor of the reply sepocified above is the stam bethy (30) days, a reply within the statutory print will apply and will explicit \$(5) (MONTHS from the maling date of this communication for reply sepocified when the statutory part of will apply and will explicit \$(5) (MONTHS from the maling date of this communication.  Find period for reply sepocified above is the stam bethy (30) days, a reply within the statutory print will be communication.  Find period for reply sepocified and the statutory print of the statuto	Oπice Action Summary	Examiner	Art Unit				
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1)  Responsive to communication(s) filed on  2a)  This action is FINAL. 2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-16.18-27 and 29 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved by disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. § 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b)  Some * c) None of:  1.  Certified copies of the priority documents have been received in Application No  3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  3) Notice of Informal Patent Apolication (PTO-152).	<ul> <li>THE MAILING DATE OF THIS COMMUNICATION.</li> <li>Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.</li> <li>If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.</li> <li>If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.</li> <li>Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).</li> <li>Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).</li> </ul>						
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#### DETAILED ACTION

## Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-16, 18-27, & 29 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, lines 16-17 and claim 16, lines 16-17, the phrase "said respective portion of said object" lacks proper antecedent basis.

### Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 4. Claims 1-16, 18-27, & 29 are rejected under 35

  U.S.C. 102(a) as being anticipated by Omura et al. ("3D Display with Accomodative Compensation (3DDAC) Employing Real-Time Gaze Detection").

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Re claims 1, 4, 6-11, 14, 16, 19, & 21-26, Omura et al. discloses (pages 889-892) a system for generating a video image in which a video frame is divided into a plurality of regions each defining a focal plane, one region (e.g. the "distinct large cube" of Figure 5(b)) is selected by an observer as the region being actively observed. The selected image is recombined such that the selected region is sharp and the other regions are blurred in accordance with their distances from the selected object's focal plane, such that images having a greater focal plane distance from the selected object are blurred more (page 891, column 1, second paragraph).

Re claim 2, the recombining portion of the Omura et al. system is readable upon the claimed "receiver".

Re claims 3 & 18, the selected image of Figure 5(b) is a foreground object.

Re claims 5 & 20, the object selection is based on object position (via detection of the user's gaze direction and comparing this direction with the location of the object).

Re claims 12-13, 15, & 27, Omura et al. discloses the use of the image generating system for artificially generated computer graphics images (page 891, column 1, first paragraph) and teleconferencing images from a caller captured by a video

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camera at the caller's site (page 889, column 1, second paragraph).

#### Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kinjo and JP-2001-208524 disclose examples of image pickup devices with selective region blurring.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. Brinich at 703-305-4390. The examiner can normally be reached on weekdays 7:00-4:30, alternate Fridays off.

If attempts to contact the examiner are unsuccessful, supervisor David Moore can be contacted at 703-308-7452.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center 2600 Customer Service center at 703-306-0377.

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 703-872-9314.

Stephen M Brinich

Examiner

Art Unit 2624

smb

September 3, 2002